

# OPINIONS AND DECLARATIONS RENDERED BY THE INTER- NATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

*Edited by*

**FRANCIS HEMMING, C.M.G., C.B.E.**

Secretary to the Commission

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## OPINION 439

Designation under the Plenary Powers of a type species  
in harmony with accustomed usage for the genus  
*Anurophorus* Nicolet, [1842] (Class Insecta, Order  
Collembola)

## LONDON :

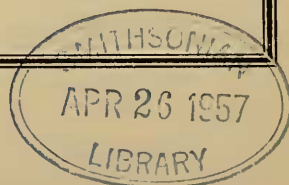
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# INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

## COMPOSITION AT THE TIME OF THE ADOPTION OF THE RULING GIVEN IN OPINION 439

### A. The Officers of the Commission

*Honorary Life President* : Dr. Karl JORDAN (*British Museum (Natural History), Zoological Museum, Tring, Herts, England*)

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*President* : Professor James Chester BRADLEY (*Cornell University, Ithaca, N.Y., U.S.A.*) (12th August 1953)

*Vice-President* : Senhor Dr. Afranio do AMARAL (*Sao Paulo, Brazil*) (12th August 1953)

*Secretary* : Mr. Francis HEMMING (*London, England*) (27th July 1948)

### B. The Members of the Commission

*Arranged in order of precedence by reference to date of election or of most recent re-election, as prescribed by the International Congress of Zoology)*

Professor H. BOSCHMA (*Rijksmuseum van Natuurlijke Historie, Leiden, The Netherlands*) (1st January 1947)

Senor Dr. Angel CABRERA (*La Plata, Argentina*) (27th July 1948)

Mr. Francis HEMMING (*London, England*) (27th July 1948) (*Secretary*)

Dr. Henning LEMCHE (*Universitetets Zoologiske Museum, Copenhagen, Denmark*) (27th July 1948)

Professor Teiso ESAKI (*Kyushu University, Fukuoka, Japan*) (17th April 1950)

Professor Pierre BONNET (*Université de Toulouse, France*) (9th June 1950)

Mr. Norman Denbigh RILEY (*British Museum (Natural History), London*) (9th June 1950)

Professor Tadeusz JACZEWSKI (*Institute of Zoology, Polish Academy of Sciences, Warsaw, Poland*) (15th June 1950)

Professor Robert MERTENS (*Natur-Museum u. Forschungs-Institut Senckenberg, Frankfurt a.M., Germany*) (5th July 1950)

Professor Erich Martin HERING (*Zoologisches Museum der Humboldt-Universität zu Berlin, Germany*) (5th July 1950)

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Professor J. Chester BRADLEY (*Cornell University, Ithaca, N.Y., U.S.A.*) (12th August 1953) (*President*)

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Dr. Norman R. STOLL (*Rockefeller Institute for Medical Research, New York, N.Y., U.S.A.*) (12th August 1953)

Mr. P. C. SYLVESTER-BRADLEY (*Sheffield University, Sheffield, England*) (12th August 1953)

Dr. L. B. HOLTHUIS (*Rijksmuseum van Natuurlijke Historie, Leiden, the Netherlands*) (12th August 1953)

Dr. K. H. L. KEY (*Commonwealth Scientific and Industrial Research Organisation, Canberra, A.C.T., Australia*) (15th October 1954)

Dr. Alden H. MILLER (*Museum of Vertebrate Zoology, University of California, U.S.A.*) (29th October 1954)

Doc. Dr. Ferdinand PRANTL (*Národní Museum v Praze, Prague, Czechoslovakia*) (30th October 1954)

Professor Dr. Wilhelm KÜHNELT (*Zoologisches Institut der Universität, Vienna, Austria*) (6th November 1954)

Professor F. S. BODENHEIMER (*The Hebrew University, Jerusalem, Israel*) (11th November 1954)

Professor Ernst MAYR (*Museum of Comparative Zoology at Harvard College, Cambridge, Massachusetts, U.S.A.*) (4th December 1954)

Professor Enrico TORTONESE (*Museo di Storia Naturale "G. Doria," Genova, Italy*) (16th December 1954)

## OPINION 439

DESIGNATION UNDER THE PLENARY POWERS OF A  
TYPE SPECIES IN HARMONY WITH ACCUSTOMED  
USAGE FOR THE GENUS "ANUROPHORUS"  
NICOLET, [1842] (CLASS INSECTA, ORDER  
COLLEMBOLA)

**RULING :—**(1) Under the Plenary Powers (a) all designations of type species for the genus *Anurophorus* Nicolet, [1842] (Class Insecta, Order Collembola) made prior to the present Ruling are hereby set aside and (b) *Anurophorus laricis* Nicolet, [1842], is hereby designated to be the type species of the foregoing genus.

(2) The under-mentioned generic name is hereby placed on the *Official List of Generic Names in Zoology* with the Name Number 1044 : *Anurophorus* Nicolet, [1842] (gender : masculine) (type species, by designation under the Plenary Powers under (1)(b) above : *Anurophorus laricis* Nicolet, [1842]).

(3) The under-mentioned specific name is hereby placed on the *Official List of Specific Names in Zoology* with the Name Number 1116 : *laricis* Nicolet, [1842], as published in the combination *Anurophorus laricis* (specific name of type species of *Anurophorus* Nicolet, [1842]).

(4) The under-mentioned generic name is hereby placed on the *Official Index of Rejected and Invalid*

*Generic Names in Zoology* with the Name Number 832 : *Bourletia* Macgillivray, 1893 (a junior objective synonym of *Anurophorus* Nicolet, [1842]).

(5) The under-mentioned family-group name is hereby placed on the *Official List of Family-Group Names in Zoology* with the Name Number 127 : ANUROPHORINAE Börner, 1901 (type genus : *Anurophorus* Nicolet, [1842]).

(6) The under-mentioned family-group name is hereby placed on the *Official Index of Rejected and Invalid Family-Group Names in Zoology* with the Name Number 109 : BOURLETIINI Börner, 1932 (type genus : *Bourletia* Macgillivray, 1893) (invalid because the name of the type genus is a junior objective synonym of *Anurophorus* Nicolet, [1842], the name of the type genus of the older-established family-group taxon ANUROPHORINAE Börner, 1901).

## I. THE STATEMENT OF THE CASE

The problem raised by the fact that the species which under the *Règles* was the type species of the genus *Anurophorus* Nicolet, [1842] (Class Insecta, Order Collembola) was a species quite out of harmony with current usage was first brought to the attention of the International Commission on Zoological Nomenclature, jointly with problems relating to the names of certain other genera in the Order Collembola, in a letter dated 27th November 1945 by M. Hermann Gisin (*Muséum d'Histoire Naturelle, Genève*). For various reasons it was not possible at that time either for M. Gisin or for the Office of the Commission to make any progress with this case and it was not until 23rd October 1954 that at length all outstanding questions were settled and M. Gisin was able to submit a definitive application. The application so submitted, which took account of the various decisions on matters

of procedure taken respectively by the Thirteenth (Paris) and Fourteenth (Copenhagen) International Congresses of Zoology, was as follows :—

**Proposed use of the Plenary Powers to designate a type species for  
“ Anurophorus ” Nicolet, [1842] (Class Insecta, Order Collembola)  
in harmony with accustomed usage**

By HERMANN GISIN

(*Muséum d'Histoire Naturelle, Geneva, Switzerland*)

The object of the present application is to ask the International Commission to use its Plenary Powers to designate for the genus *Anurophorus* Nicolet, [1842] (Class Insecta, Order Collembola) a type species in harmony with accustomed usage and thus to prevent this well-known name from disappearing in synonymy. The facts of this case are set out below.

2. In 1842 in a paper entitled “ Recherches pour servir à l'histoire des podurelles ” (*Neue Denkschr. allgem. schweiz. Ges.* 6 : 53) Nicolet established a nominal genus to which he gave the name *Anurophorus*. He placed two nominal species in this genus but did not designate either as the type species. These two species were : (1) *Anurophorus fimetarius* attributed by him to Linnaeus (i.e. identified with *Podura fimetaria* Linnaeus, 1758) though clearly Nicolet had a different species (*Podura ambulans* Linnaeus, 1758) before him ; (2) *Anurophorus laricis* nov. sp. (: 53).

3. At a meeting of the *Société entomologique de France* held in 1843 Lucas, at the request of the President (Milne Edwards), gave an account of the paper by Nicolet published in the previous year, in the course of which, speaking of the genus *Anurophorus*, he said that, this genus “ renferme deux espèces et dont celle qui peut être considérée comme type est : l'*A. fimetarius* . . . ; la seconde espèce est nouvelle : elle porte le nom d'*A. laricis* ”. (Lucas, 1843, *Ann. Soc. ent. France* (2) 1 : 276). Whether or not Lucas on this occasion intended to select a type species for this genus in a nomenclatorial sense, there can be no doubt that the words which he used constitute such a selection.

4. We have next to note that the true *Podura fimetaria* Linnaeus, is currently regarded as congeneric with *Podura ambulans* Linnaeus and that the latter is the type species of the genus *Onychiurus* Gervais, 1841, a name which has been placed on the *Official List of Generic Names in Zoology* as Name No. 722 by the Ruling given in the Commission's *Opinion* 291 (1954, *Ops. Decls. int. Comm. zool. Nomencl.* 8 : 99—114). Thus, the effect of Lucas's action was to make the

generic name *Anurophorus* Nicolet, [1842], a junior subjective synonym of *Onychiurus* Gervais, 1841.

5. On the other hand, specialists have almost completely ignored the selection made by Lucas and have treated *Anurophorus* as the name for the second of the two species placed in it by Nicolet, namely *Anurophorus laricis* Nicolet, [1842]. As Laing has observed, "Tullberg seems to have been the first to associate it [i.e., *Anurophorus laricis*] in a typical sense with *Anurophorus* a position which has been accepted by practically everyone, and culminating in a definite type-citation by Folsom (1937, p. 12)" (Laing, 1945, *Ent. nom. Mag.* **81** : 138).

6. Nevertheless, the action of Lucas left the species *Anurophorus laricis* Nicolet without a valid generic name until in 1893 (*Canad. Ent.* **25** : 313) Macgillivray published the name *Bourletia*, designating *A. laricis* Nicolet to be the type species of the genus so named. Although it is now over sixty years since the name *Bourletia* was published, specialists have with hardly an exception continued to use the name *Anurophorus* Nicolet for *A. laricis* Nicolet, and that generic name is now deeply embedded in the literature. Nothing but confusion and needless instability in nomenclature would result from the strict application of the normal Rules in this case.

7. The generic name *Anurophorus* Nicolet, [1842], is currently accepted as the basis for the name of a family-group. Two such names were published by Börner in 1901. These were : (1) the subfamily name AUROPHORINAE Börner, 1901, *Zool. Anz.* **24** : 341 ; (2) the tribe name ANUROPHORINI Börner, 1901, *Abh. naturw. Ver. Bremen* **17** : 42). Fortunately, no difficulty arises in determining the relative priority of these names, since the Part containing these names in the serial publications concerned bears in each case the exact date of publication. The relevant Part of the *Zoologischer Anzeiger* was published on 10th June 1901, while the relevant Part of the *Abh. naturw. Ver. Bremen* was not published until October 1901. The generic name *Bourletia* Macgillivray, 1893, which, under the present proposals, will become a junior objective synonym of *Anurophorus* Nicolet, 1842, was made the type genus of a tribe, BOURLETHINI, by Börner in 1932 (*in* Brohmer, *Fauna Deutschl.* (ed. 4) : 141). It is desirable that, as part of the general settlement of the present case, the Commission should place the name ANUROPHORINAE Börner, 1901, on the *Official List of Family-Group Names in Zoology* and the invalid name BOURLETHINI Börner, 1932, on the *Official Index of Rejected and Invalid Family-Group Names in Zoology*.

8. For the reasons set forth above I accordingly now ask the International Commission on Zoological Nomenclature :—

- (1) to use its Plenary Powers to set aside all type selections for the genus *Anurophorus* Nicolet, [1842], made prior to the Ruling

now asked for, and, having done so, to designate *Anurophorus laricis* Nicolet, [1842], to be the type species of the foregoing genus ;

- (2) to place the under-mentioned generic name on the *Official List of Generic Names in Zoology* : *Anurophorus* Nicolet, [1842] (gender : masculine) (type species, by designation, under the Plenary Powers, under (1) above : *Anurophorus laricis* Nicolet, [1842]) ;
- (3) to place the under-mentioned specific name on the *Official List of Specific Names in Zoology* : *laricis* Nicolet, [1842], as published in the combination *Anurophorus laricis* (specific name of type species of *Anurophorus* Nicolet, [1842]) ;
- (4) to place the under-mentioned generic name on the *Official Index of Rejected and Invalid Generic Names in Zoology* : *Bourletia* Macgillivray, 1893 (a junior objective synonym of *Anurophorus* Nicolet, [1842], as proposed in (1) above to be defined under the Plenary Powers) ;
- (5) to place the under-mentioned family-group name on the *Official List of Family-Group Names in Zoology* : ANUROPHORINAE Börner, 1901 (type genus : *Anurophorus* Nicolet, [1842]) ;
- (6) to place the under-mentioned name on the *Official Index of Rejected and Invalid Family-Group Names in Zoology* : BOURLETIINI Börner, 1932 (type genus : *Bourletia* Macgillivray, 1893) (invalid because the name of the type genus is a junior objective synonym of *Anurophorus* Nicolet, [1842], as proposed in (1) above, to be defined under the Plenary Powers, which is the type genus of the family-group taxon ANUROPHORINAE Börner, 1901).

## II. THE SUBSEQUENT HISTORY OF THE CASE

**2. Registration of the present application :** Upon the receipt in 1945 of M. Gisin's preliminary communication in regard to the generic name *Anurophorus* Nicolet, the question so involved, jointly with questions relating to certain other generic names in the Order Collembola, was allotted the Registered Number Z.N.(S.) 199. Later, the present case was registered separately under the Number Z.N.(S.) 304.

**3. Issue of Public Notices in 1947 :** On 14th November 1947 Public Notice of the possible use by the International Commission on Zoological Nomenclature of its Plenary Powers in the present case was given in the manner prescribed by the Ninth International Congress of Zoology, Monaco, 1913, in the Resolution by which it conferred the foregoing Powers upon the International Commission which later was embodied in *Declaration 5* (1943, *Ops. Decls. int. Comm. zool. Nomencl.* 1(A) : 31—40). The Public Notices so issued elicited comments from three specialists, one of whom (Harlow B. Mills) supported the action proposed and two (Frederick Laing ; F. Bonet) raised objections. In 1954 a letter of support was received from another entomologist (John T. Salmon). The communications so received are reproduced in the immediately following paragraphs.

**4. Support received in 1948 from Harlow B. Mills (State Natural History Survey Division, Urbana, Illinois, U.S.A.) :** On 23rd March 1948 Dr. Harlow B. Mills (*State Natural History Survey Division, Urbana, Illinois, U.S.A.*) addressed the following letter to the Office of the Commission in support of the action proposed in this case :—

1. *Podura* Linnaeus, with the type *Podura aquatica* Linnaeus and *Tomocerus* Nicolet, with the type *Tomocerus minor* Lubbock. While the suggestion may run counter to at least one previous ruling of the Commission and possibly to the best reasoning in the absence of actual type specimens, I am very much in favour of the suspension of rules to allow the use of the generic names *Podura* and *Tomocerus* as indicated by the types suggested. There has been approximately a century of usage of these generic names in this sense and a reshuffling of the names now would needlessly confuse the great body of literature which relates to these genera.

. . . . .

4. I favour the assigning of *Anurophorus laricis* Nicolet as the type of the genus *Anurophorus* for the same reasons which I have used in item number 1 above for *Podura* and *Tomocerus*.

**5. Objection received in 1948 from Frederick Laing (British Museum (Natural History), London) :** On 19th September 1948 Dr. Frederick Laing (*British Museum (Natural History), London*) addressed the following letter to the Office of the Commission

intimating his objection to the action proposed in the present case :—

The position of *Anurophorus* has already been dealt with by me, and Boerner has evidently covered much of the same ground as I did before changing over (in 1932) to *Bourletia*. The similarity of the word *Bourletiella* need occasion no trouble for there must be legions of generic names throughout zoology much more similar in spelling and sound.

**6. Objection received in 1948 from F. Bonet (Escuela Nacional de Ciencias Biologicas, Mexico) :** On 27th November 1948 Dr. F. Bonet (*Escuela Nacional de Ciencias Biologicas, Mexico*) addressed the following letter to the Office of the Commission intimating his objection to the action proposed in the present case :—

As stated by Laing (1945, *Ent. mon. Mag.*, **81** : 137) the genus *Anurophorus* was erected by Nicolet [1842] with two species, *A. fimetarius* Nic., and *A. laricis* Nic. ; the first definite citation of type was made one year later by Lucas (1843) who chose *A. fimetarius* Nic., and this action appears to meet all the requirements of the Rules. In 1847 Nicolet places his *fimetarius* [1842] (nec *Podura fimetaria* of L.) as synonyms of *ambulans* L., and this action has not been challenged by subsequent authors. Whatever may be specifically *A. fimetarius* Nic., there is no doubt that it is congeneric with *ambulans* L., type of *Onychiurus* Gervais, so *Anurophorus* becomes a synonym of *Onychiurus*. *Bourletia* Macgill., 1893, with *laricis* as type, becomes available as substitute for *Anurophorus* (full statement of case in Laing, *loc. cit.* **81** : 137—138).

Following Tullberg (1871), all subsequent authors for the past 80 years or so regarded *laricis* as generically different from *fimetarius* Nic., and *Anurophorus* has been consistently used as if its type were *laricis*, consciously avoiding its correct nomenclatorial standing. Thus, we are facing the change of a well-known and universally used name for a nearly unknown one. This may be very inconvenient indeed, but it is not likely to carry any confusion, because *Bourletia* was never used before in any other sense, in fact, never has been used after its proposal.

Therefore, I think that the strict application of the Rules must be enforced in this case.

**7. Support received in 1954 from John T. Salmon (Victoria University College, Department of Zoology, Wellington, New**

**Zealand) :** On 4th November 1954 Dr. John T. Salmon (*Victoria University College, Department of Zoology, Wellington, New Zealand*) addressed the following letter to the Office of the Commission in support of the action proposed in the present case :—

With regard to *Anurophorus*, I am quite in agreement with the designation of *laricis* as the type species of the genus, and I adopted this procedure in my *Keys and Bibliography to the Collembola* (1951, *Zool. Publ. Victoria Univ. Coll., Wellington, N.Z.* 8, 82 pp.) in placing *Anurophorus* in the sub-family ANUROPHORINAE of the ISOTOMIDAE.

**8. Publication of the present application :** On 22nd November 1954 the application received from M. Gisin in the preceding month (paragraph 1 above) was sent to the printer, together with the communications received in 1948 from Harlow B. Mills (paragraph 4), Frederick Laing (paragraph 5), and F. Bonet (paragraph 6), and in 1954 John T. Salmon (paragraph 7). The foregoing documents were published on 31st January 1955 in Part 2 of Volume 11 of the *Bulletin of Zoological Nomenclature* (Gisin, 1955, *Bull. zool. Nomencl.* 11 : 78—70 ; Mills, 1955, *ibid.* 11 : 70 ; Laing, 1955, *ibid.* 11 : 71 ; Bonet, 1955, *ibid.* 11 : 71 ; Salmon, 1955, *ibid.* 11 : 72).

**9. Issue of Public Notices in 1955 :** Under the revised procedure prescribed by the Thirteenth International Congress of Zoology, Paris, 1948 (1950, *Bull. zool. Nomencl.* 4 : 51—56) Public Notice of the possible use by the International Commission on Zoological Nomenclature of its Plenary Powers in the present case was given on 31st January 1955 (a) in Part 2 of Volume 11 of the *Bulletin of Zoological Nomenclature* (the Part in which M. Gisin's application was published) and (b) to the other prescribed serial publications. In addition, such Notice was given also to certain general zoological serial publications and to seven entomological serial publications in Europe and America.

**10. Comments received after publication in 1955 :** The publication of the present application and the issue of the Public Notices specified in the immediately preceding paragraph elicited five comments in 1955, of which one was signed by two specialists,

All six of the specialists concerned supported the action proposed in the present case. The communications so received are reproduced in the immediately following paragraphs. No objection to the action proposed was received from any source.

**11. Support received from Kenneth A. Christiansen (Northampton, Massachusetts, U.S.A.) :** On 24th April 1955 Dr. Kenneth A. Christiansen (*Northampton, Massachusetts, U.S.A.*) addressed the following letter in support of three of M. Gisin's applications to the Office of the Commission (Christiansen, 1955, *Bull. zool. Nomencl.* **11** : 266—267) :—

I wish to support Dr. Gisin's three proposals concerning the taxonomy of Collembola. These proposals are Z.N.(S.) 303, 304, and 485 respectively. Below I shall deal briefly with each proposal separately.

. . . . .

Support for Z.N.(S.) 304 : This proposal only validates the procedure that has been followed by all taxonomists in the field. Any attempt to settle the name of *Anurophorus* along strict priority lines would be disastrous.

. . . . .

**12. Support received from H. E. Goto (Imperial College of Science and Technology, London) and D. H. Murphy (University of Durham) :** On 23rd May 1955 the following letter in support of M. Gisin's proposals was received from Dr. H. E. Goto (*Imperial College of Science and Technology, London*) and Dr. D. H. Murphy (*University of Durham*) :—

We should like to give our full support to the three undermentioned proposals made by M. Hermann Gisin to the International Commission on Zoological Nomenclature.

. . . . .

. . . . .

Proposed use of the Plenary Powers to designate a type species for *Anurophorus* Nicolet, [1842] (Class Insecta, Order Collembola) in harmony with accustomed usage.

**13. Support received from Peter F. Bellinger (University College of the West Indies, St. Andrew, Jamaica) :** On 26th June 1955

Dr. Peter F. Bellinger (*University College of the West Indies, St. Andrew, Jamaica*) intimated his support for the present application as follows :—

*Anurophorus* Nicolet, [1842] : I think it is imperative that this name be dealt with in one way or another under the Plenary Powers. The reason is that the type fixation by Lucas (*fimetarius*) does not dispose of the name with any certainty. The identification of *fimetarius* Nicolet with *ambulans* L., the type of *Onychiurus*, is possible but by no means certain. Nicolet's description and figures suggest, in certain respects, other species of *Onychiurus*, and one figure shows a furca much better developed than in any known member of the genus. If the Commission refrains from any action, *Bourletia* MacGillivray must be used for *laricis* Nicolet ; but the resurrection of *Anurophorus* for some species other than *ambulans* would still unfortunately, be possible. Since some action seems necessary, and since *Bourletia* has, so far as I know, been used by no other author, I am prepared to support Dr. Gisin's suggestion. Alternatively I believe that the complete suppression of *Anurophorus* is desirable.

**14. Support received from R. Yosii (Biological Institute of the Yoshida College, University of Kyoto, Japan) :** On 28th June 1955 Professor R. Yosii (*Biological Institute of the Yoshida College, University of Kyoto, Japan*) addressed the following letter to the Office of the Commission with regard to the present case :—

. . . . .

Since the genus *Anurophorus* has not yet been recorded from Far East, I am not in urgent necessity about the problem. It is yet reasonable to fix the present name *Anurophorus* as is suggested in the application.

. . . . .

**15. Renewed support from John T. Salmon (Victoria University College, Department of Zoology, Wellington, New Zealand) :** On 14th July 1955 Dr. John T. Salmon (*Victoria University College, Department of Zoology, Wellington, New Zealand*) addressed the following letter to the Office of the Commission,

reaffirming the support which in 1954 he had already given (paragraph 7 above) to the action proposed in the present case :—

I have just received from Hermann Gisin the three separates of his proposals to the International Commission regarding various generic and family names in the Collembola.<sup>1</sup> As I have already indicated to you, I am quite in favour of the fixing of the type species of *Anurophorus* as *Anurophorus laricis* Nicolet, . . . .

### III. THE DECISION TAKEN BY THE INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

**16. Issue of Voting Paper V.P.(55)19 :** On 9th November 1955 a Voting Paper (V.P.(55)19) was issued in which the Members of the Commission were invited to vote either for, or against, "the proposal relating to the name *Anurophorus* Nicolet, [1842], and associated questions as set out in Points (1) to (6) in paragraph 8 on page 69 and the top of page 70 in Volume 11 of the *Bulletin of Zoological Nomenclature*" [i.e. in the paragraph numbered as above in the paper reproduced in the first paragraph of the present *Opinion*].

**17. The Prescribed Voting Period :** As the foregoing Voting Paper was issued under the Three-Month Rule, the Prescribed Voting Period closed on 9th February 1956.

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<sup>1</sup> The other cases here referred to by Dr. Salmon are those relating respectively to the names *Achorutes* Templeton, 1835, and *Entomobrya* Rondani, 1861. The decisions taken by the International Commission in these cases have since been embodied in *Opinions* 435 and 440 respectively.

**18. Particulars of the Voting on Voting Paper V.P.(55)19 :** At the close of the Prescribed Voting Period, the state of the voting on Voting Paper V.P.(55)19 was as follows :—

- (a) *Affirmative Votes had been given by the following twenty-four (24) Commissioners (arranged in the order in which Votes were received) :*

Holthuis ; Hering ; Vokes ; Bodenheimer ; Bradley (J.C.) ; Mayr ; Riley ; Dymond ; Prantl ; Lemche ; Esaki ; do Amaral ; Hankó ; Key ; Boschma ; Jaczewski ; Sylvester-Bradley ; Cabrera ; Stoll ; Bonnet ; Miller ; Tortonese ; Kühnelt ; Hemming ;

- (b) *Negative Votes, one (1) :*

Mertens ;

- (c) *Voting Papers not returned :*

None.

**19. Declaration of Result of Vote :** On 10th February 1956, Mr. Hemming, Secretary to the International Commission, acting as Returning Officer for the Vote taken on Voting Paper V.P.(55)19, signed a Certificate that the Votes cast were as set out in paragraph 18 above and declaring that the proposal submitted in the foregoing Voting Paper had been duly adopted and that the decision so taken was the decision of the International Commission in the matter aforesaid.

**20. Preparation of the Ruling given in the present “ Opinion ” :** On 19th October 1956 Mr. Hemming prepared the Ruling given in the present *Opinion* and at the same time signed a Certificate

that the terms of that Ruling were in complete accord with those of the proposal approved by the International Commission in its Vote on Voting Paper V.P.(55)19.

**21. Original References :** The following are the original references for the generic and specific names placed on *Official Lists* and *Official Indexes* by the Ruling given in the present *Opinion* :—

*Anurophorus* Nicolet, [1842], *Neue Denkschr. allgem. schweiz. Ges. Naturw.* **6** : 53

*Bourletia* Macgillivray, 1893, *Canad. Ent.* **25** : 313

*laricis*, *Anurophorus*, Bourlet, [1842], *Neue Denkschr. allgem. schweiz. Ges. Naturw.* **6** : 53

**22.** The following are the original references for the family-group names placed on the *Official List* and *Official Index* established for recording of the names of taxa belonging to the family-group category by the Ruling given in the present *Opinion* :—

ANUROPHORINAE Börner, [June] 1901, *Zool. Anz.* **24** : 341

BOURLETIINI Börner, 1932, in Brohmer, *Fauna Deutschl.* (ed. 4) : 141

**23.** The prescribed procedures were duly complied with by the International Commission on Zoological Nomenclature in dealing with the present case, and the present *Opinion* is accordingly hereby rendered in the name of the said International Commission by the under-signed Francis Hemming, Secretary to the International Commission on Zoological Nomenclature, in virtue of all and every the powers conferred upon him in that behalf.

24. The present *Opinion* shall be known as *Opinion* Four Hundred and Thirty-Nine (439) of the International Commission on Zoological Nomenclature.

DONE in London, this Nineteenth day of October, Nineteen Hundred and Fifty-Six.

*Secretary to the International Commission  
on Zoological Nomenclature*

**FRANCIS HEMMING**